

## **Appendix C**

### **Maps of Quarterly Average Concentrations**

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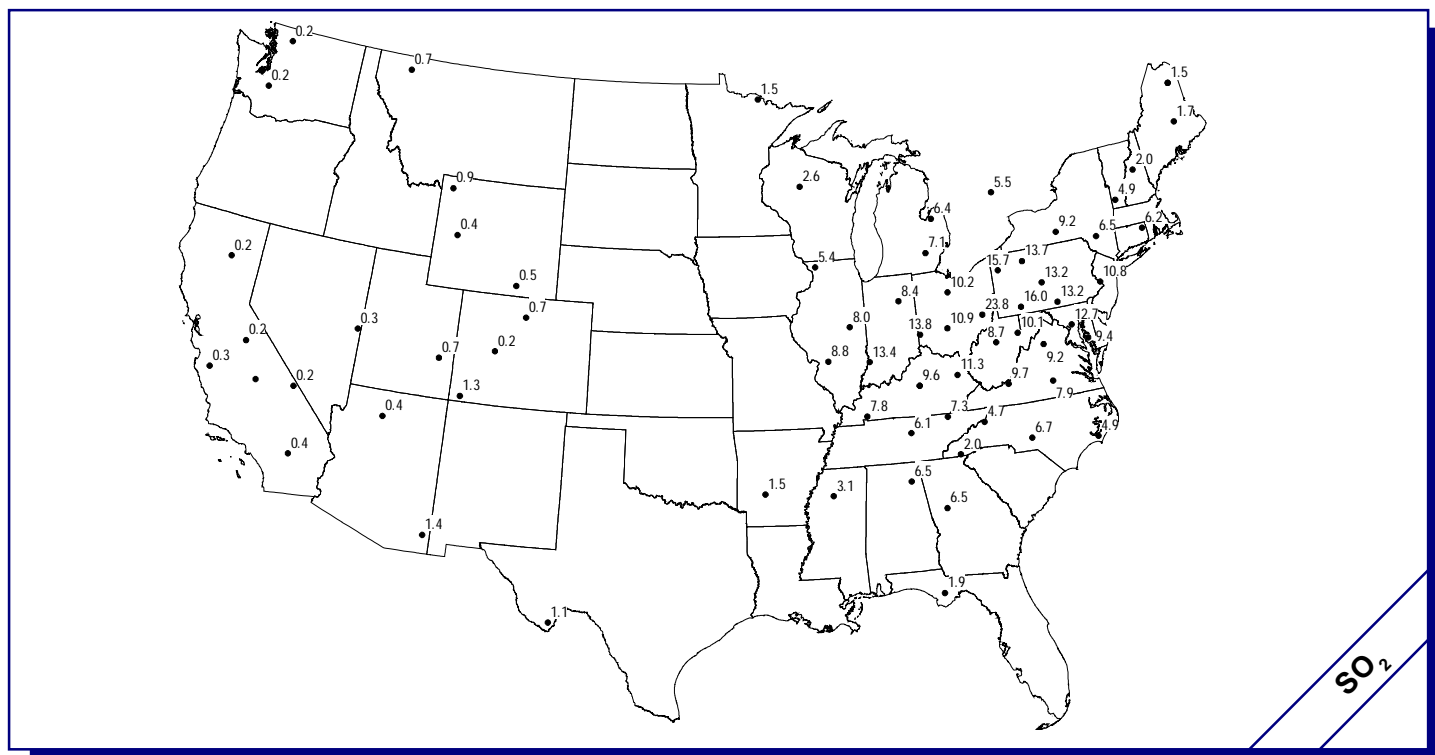
**Figure C-1.** First Quarter 1999 Average SO<sub>2</sub> Concentrations (µg/m<sup>3</sup>)**Figure C-2.** Second Quarter 1999 Average SO<sub>2</sub> Concentrations (µg/m<sup>3</sup>)

Figure C-3. Third Quarter 1999 Average SO<sub>2</sub> Concentrations (µg/m<sup>3</sup>)



Figure C-4. Fourth Quarter 1999 Average SO<sub>2</sub> Concentrations (µg/m<sup>3</sup>)



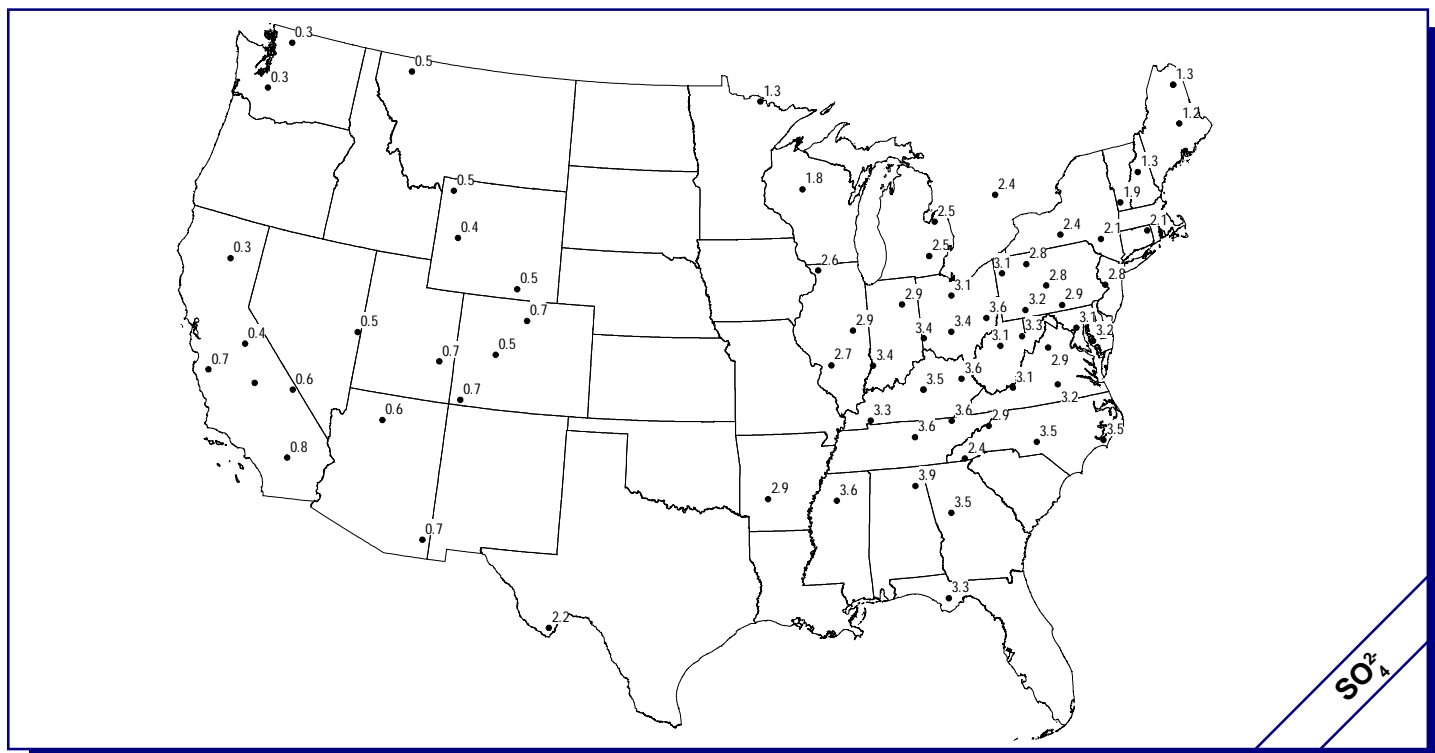
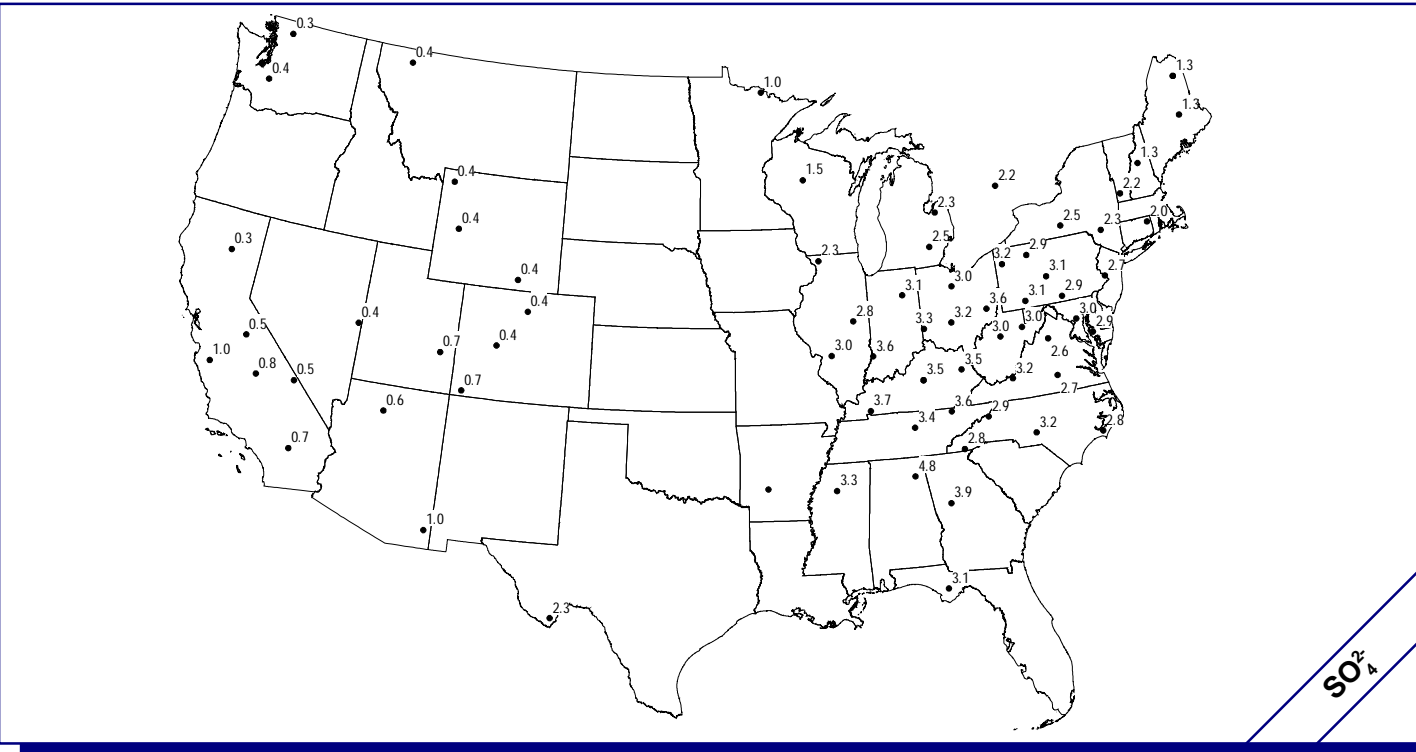
**Figure C-5.** First Quarter 1999 Average Particulate  $\text{SO}_4^{2-}$  Concentrations ( $\mu\text{g}/\text{m}^3$ )**Figure C-6.** Second Quarter 1999 Average Particulate  $\text{SO}_4^{2-}$  Concentrations ( $\mu\text{g}/\text{m}^3$ )

Figure C-7. Third Quarter 1999 Average Particulate  $\text{SO}_4^{2-}$  Concentrations ( $\mu\text{g}/\text{m}^3$ )



Figure C-8. Fourth Quarter 1999 Average Particulate  $\text{SO}_4^{2-}$  Concentrations ( $\mu\text{g}/\text{m}^3$ )



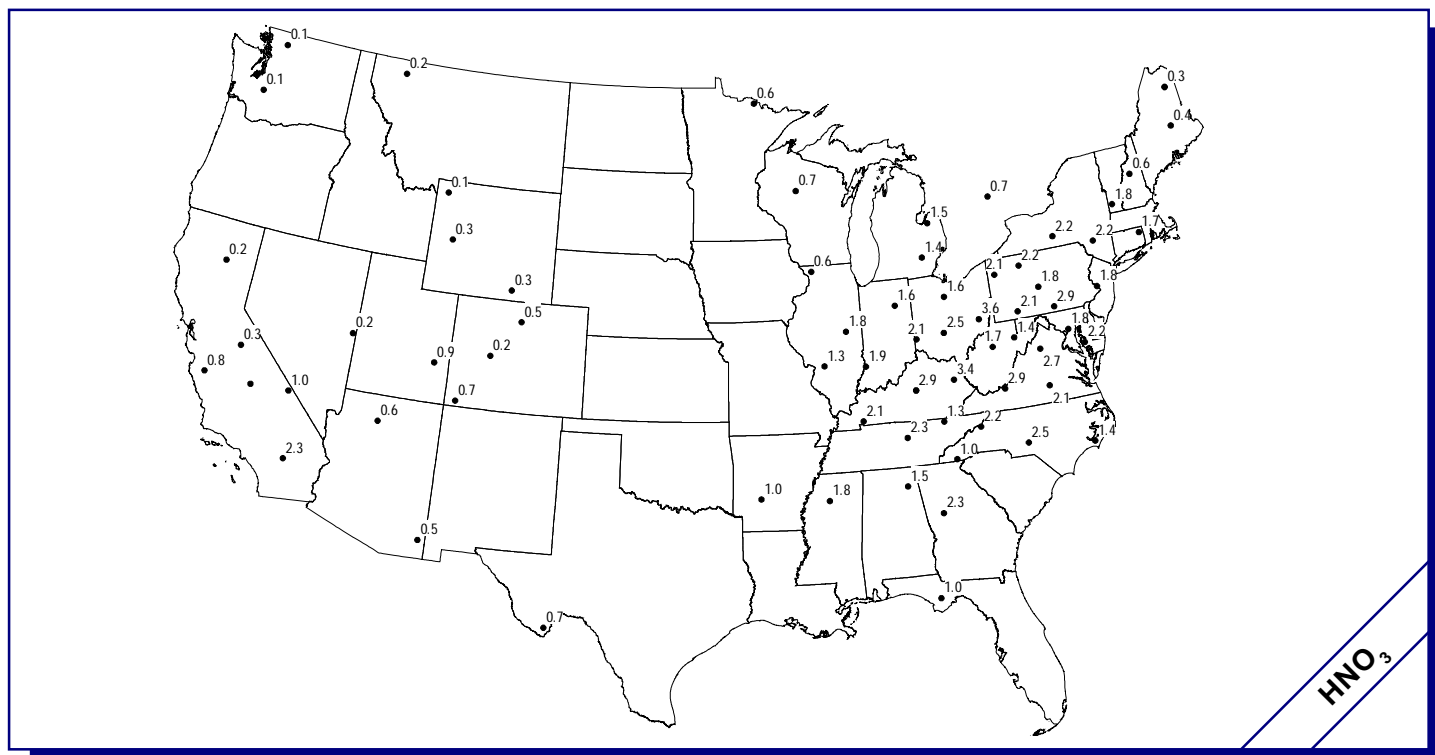
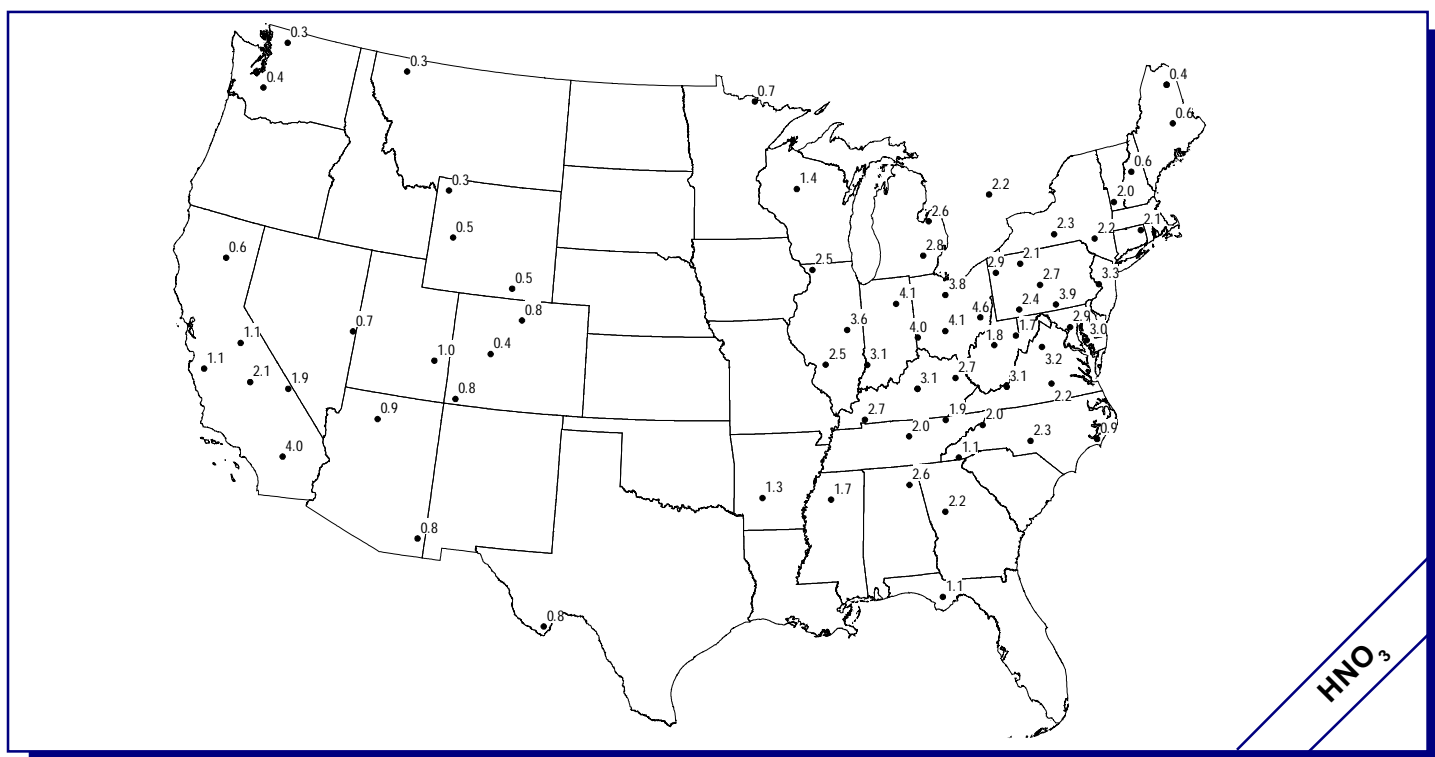
**Figure C-9.** First Quarter 1999 Average  $\text{HNO}_3$  Concentrations ( $\mu\text{g}/\text{m}^3$ )**Figure C-10.** Second Quarter Average  $\text{HNO}_3$  Concentrations ( $\mu\text{g}/\text{m}^3$ )

Figure C-11. Third Quarter 1999 Average HNO<sub>3</sub> Concentrations (µg/m<sup>3</sup>)

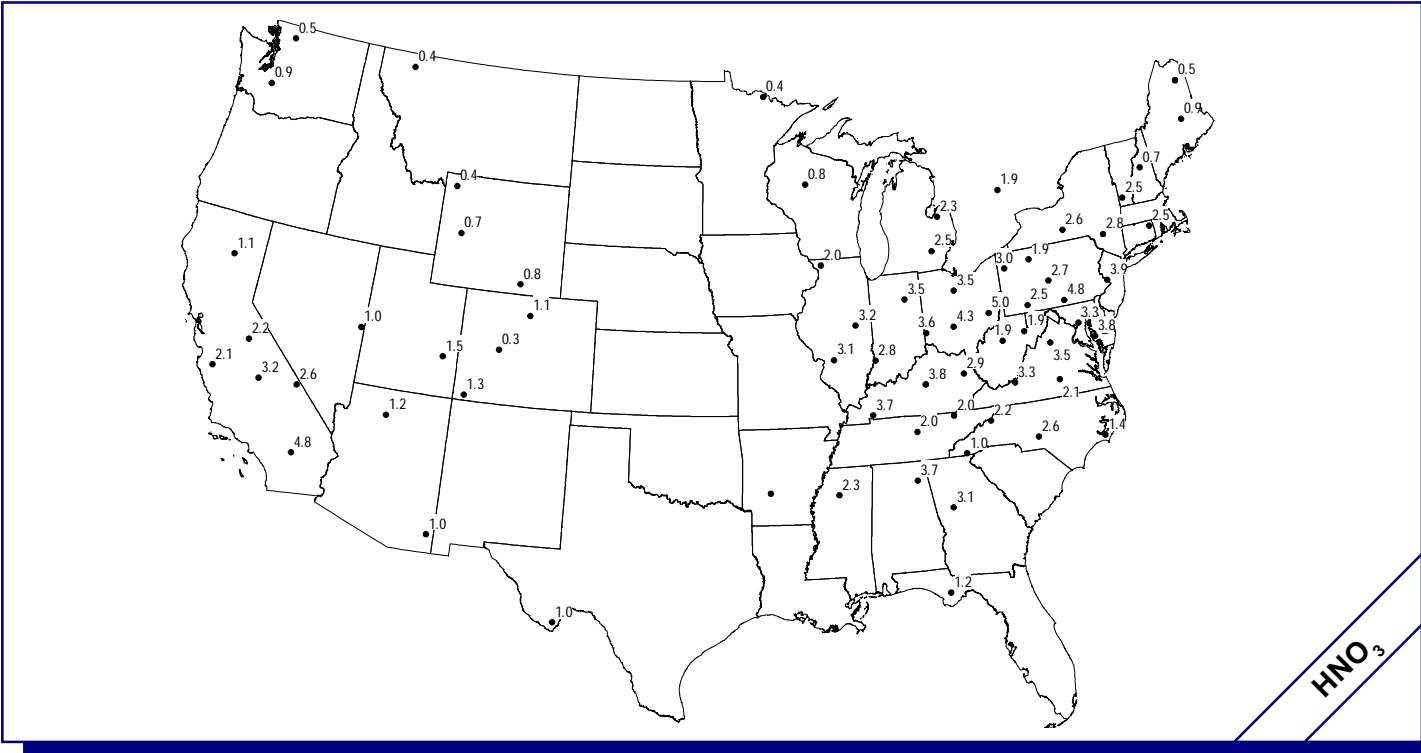
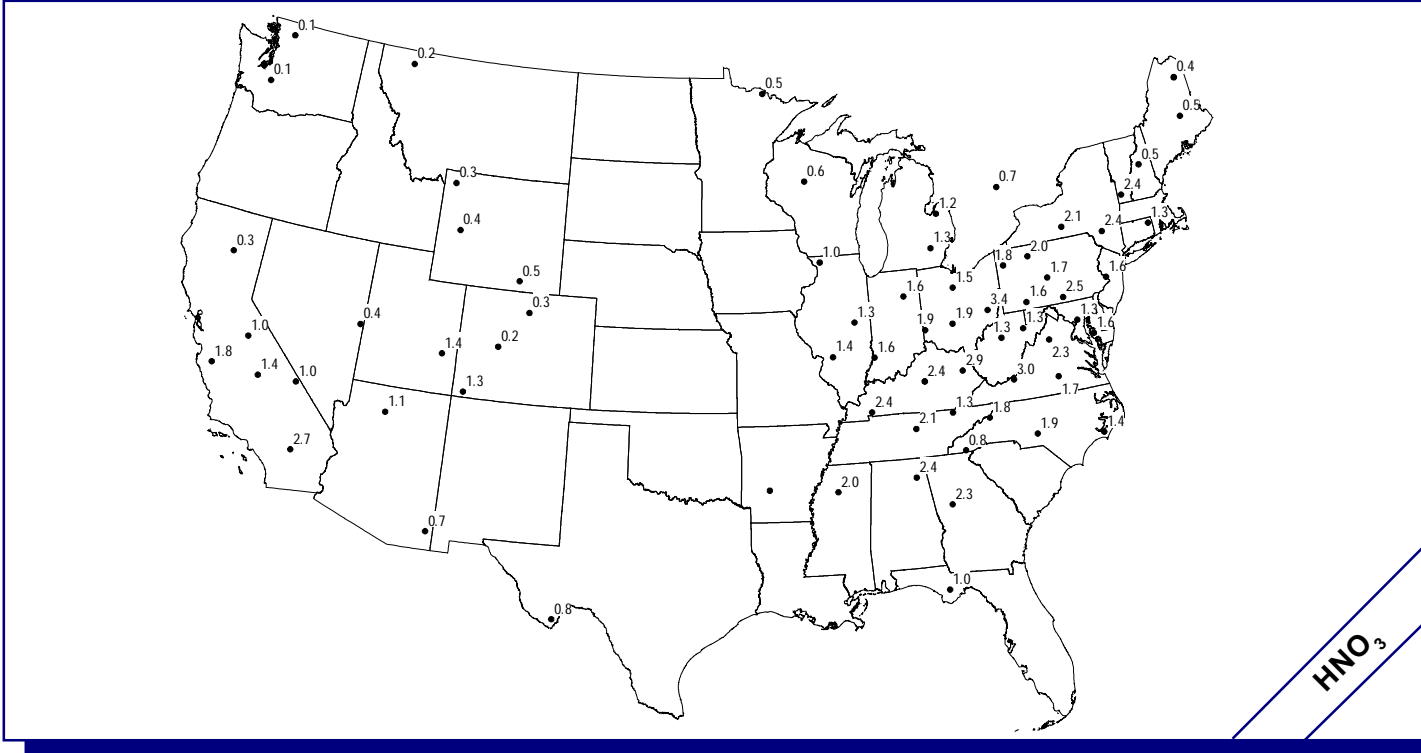


Figure C-12. Fourth Quarter 1999 Average HNO<sub>3</sub> Concentrations (µg/m<sup>3</sup>)



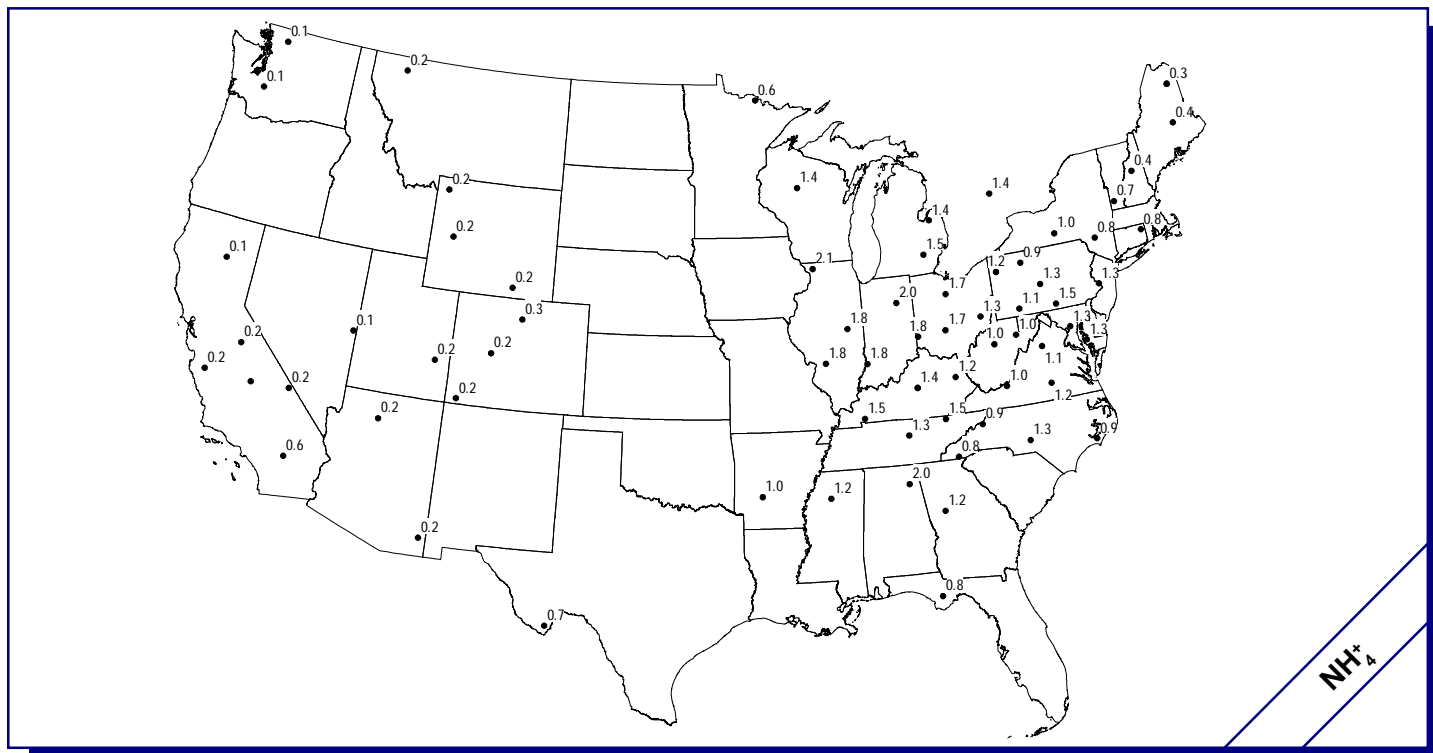
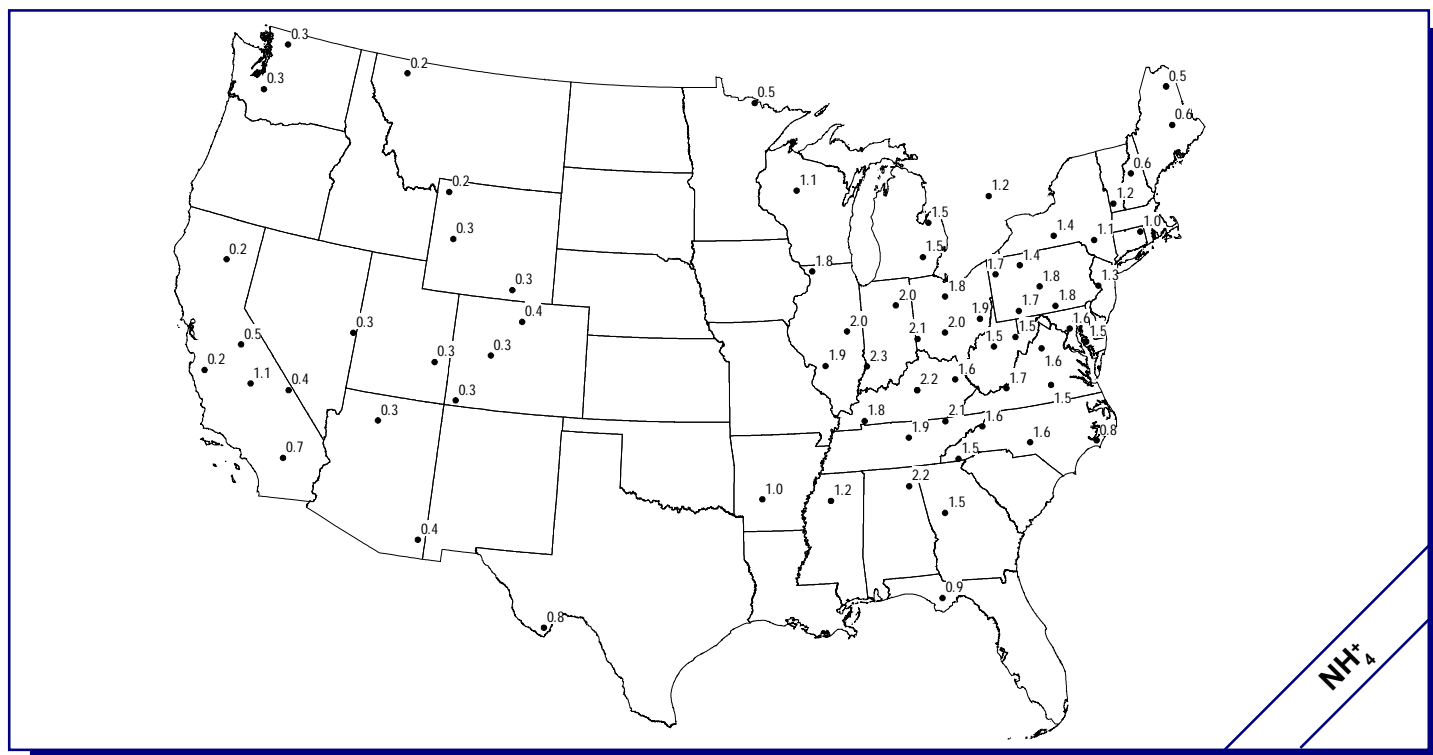
**Figure C-13.** First Quarter 1999 Average Particulate  $\text{NH}_4^+$  Concentrations ( $\mu\text{g}/\text{m}^3$ )**Figure C-14.** Second Quarter 1999 Average Particulate  $\text{NH}_4^+$  Concentrations ( $\mu\text{g}/\text{m}^3$ )



Figure C-15. Third Quarter 1999 Average Particulate  $\text{NH}_4^+$  Concentrations ( $\mu\text{g}/\text{m}^3$ )

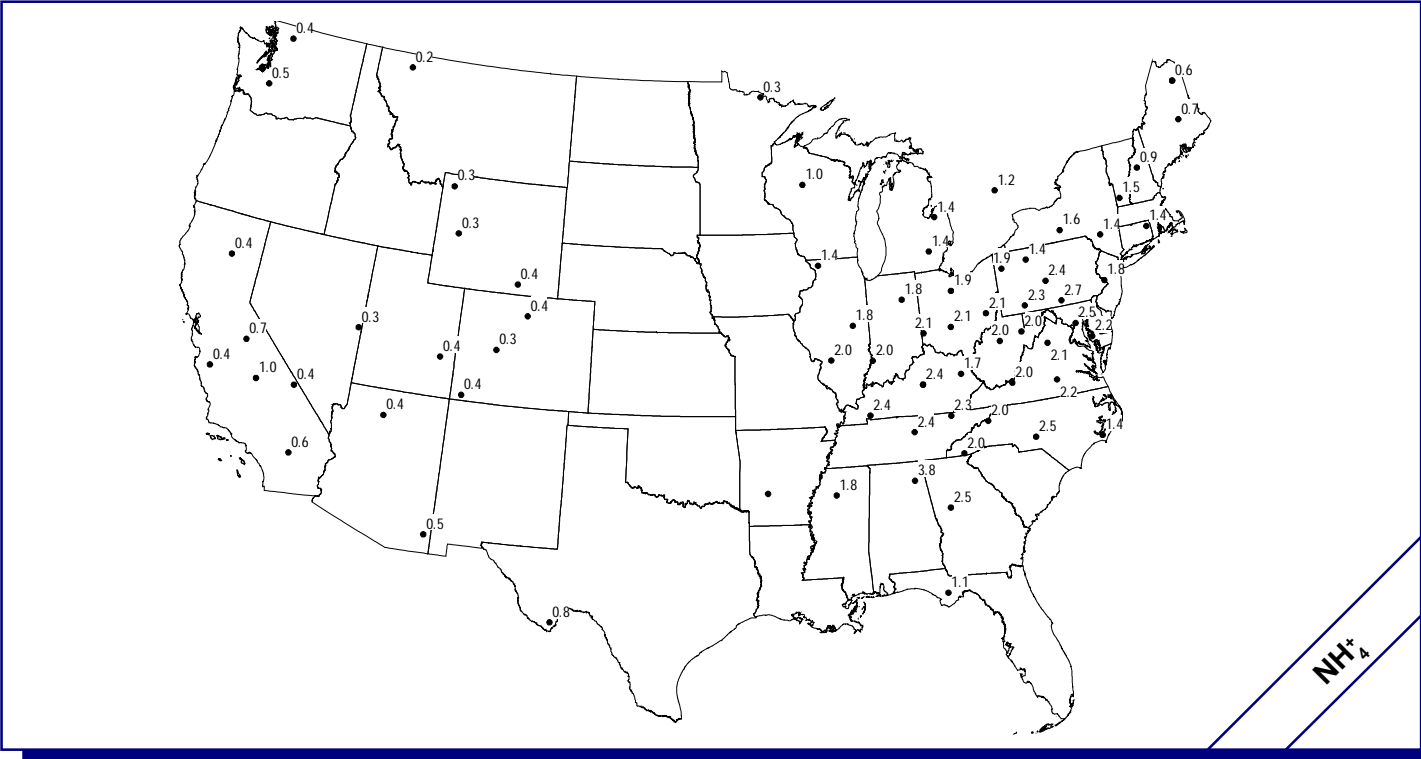
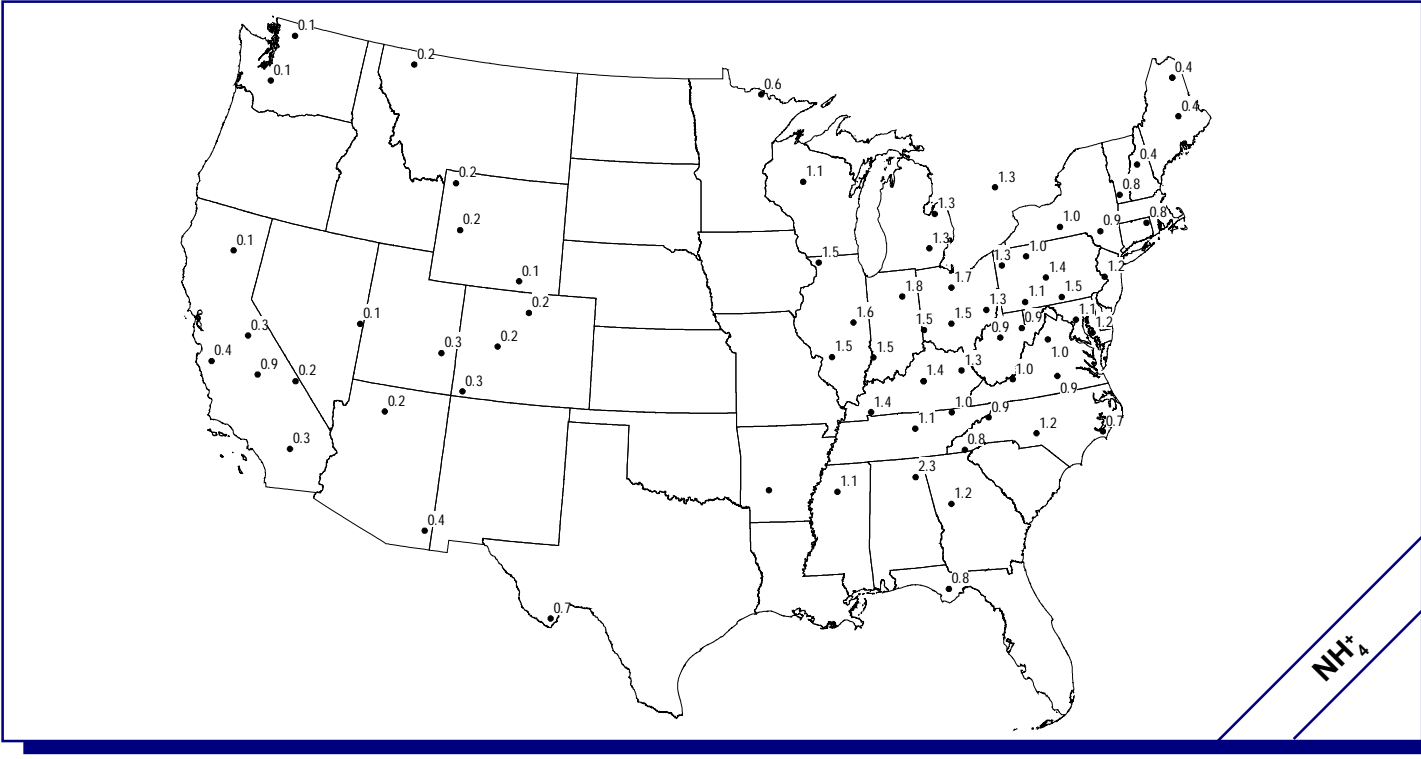


Figure C-16. Fourth Quarter 1999 Average Particulate  $\text{NH}_4^+$  Concentrations ( $\mu\text{g}/\text{m}^3$ )



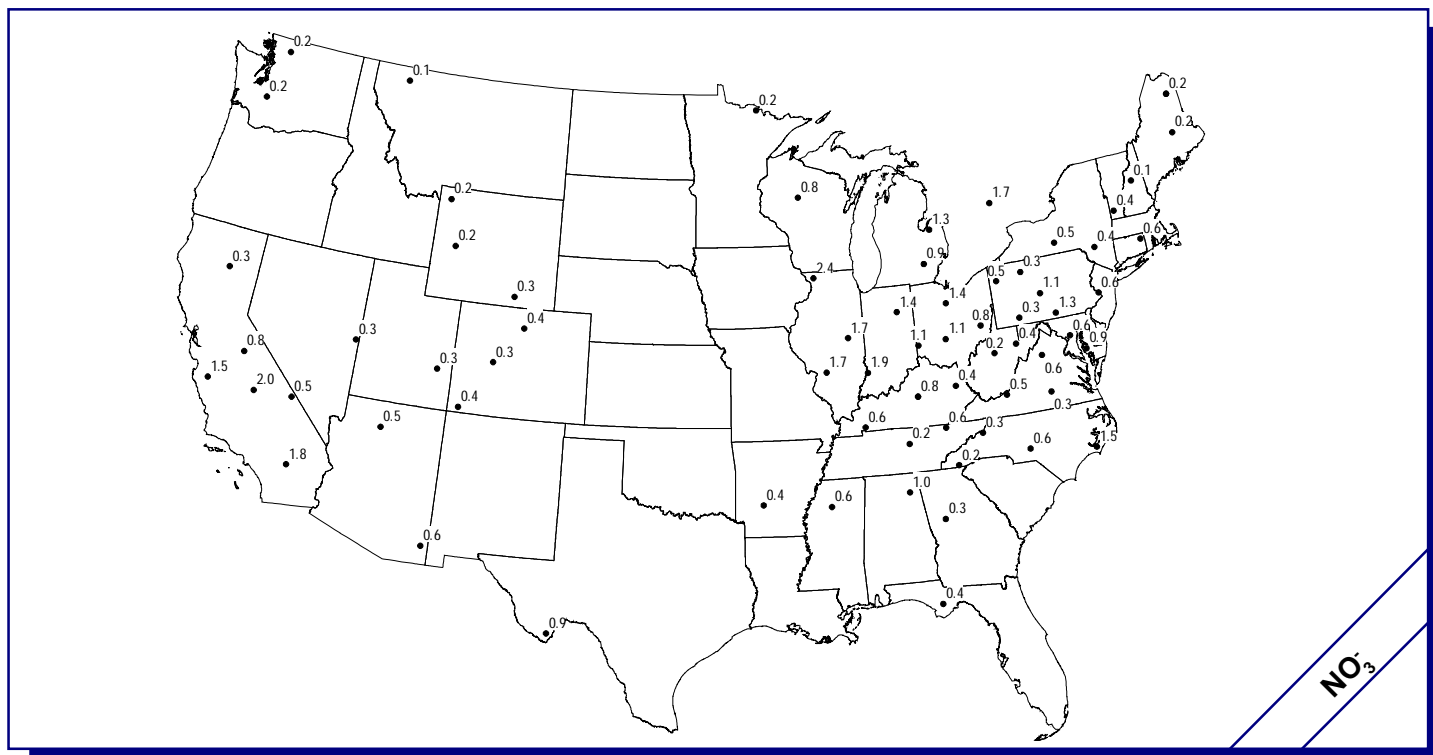
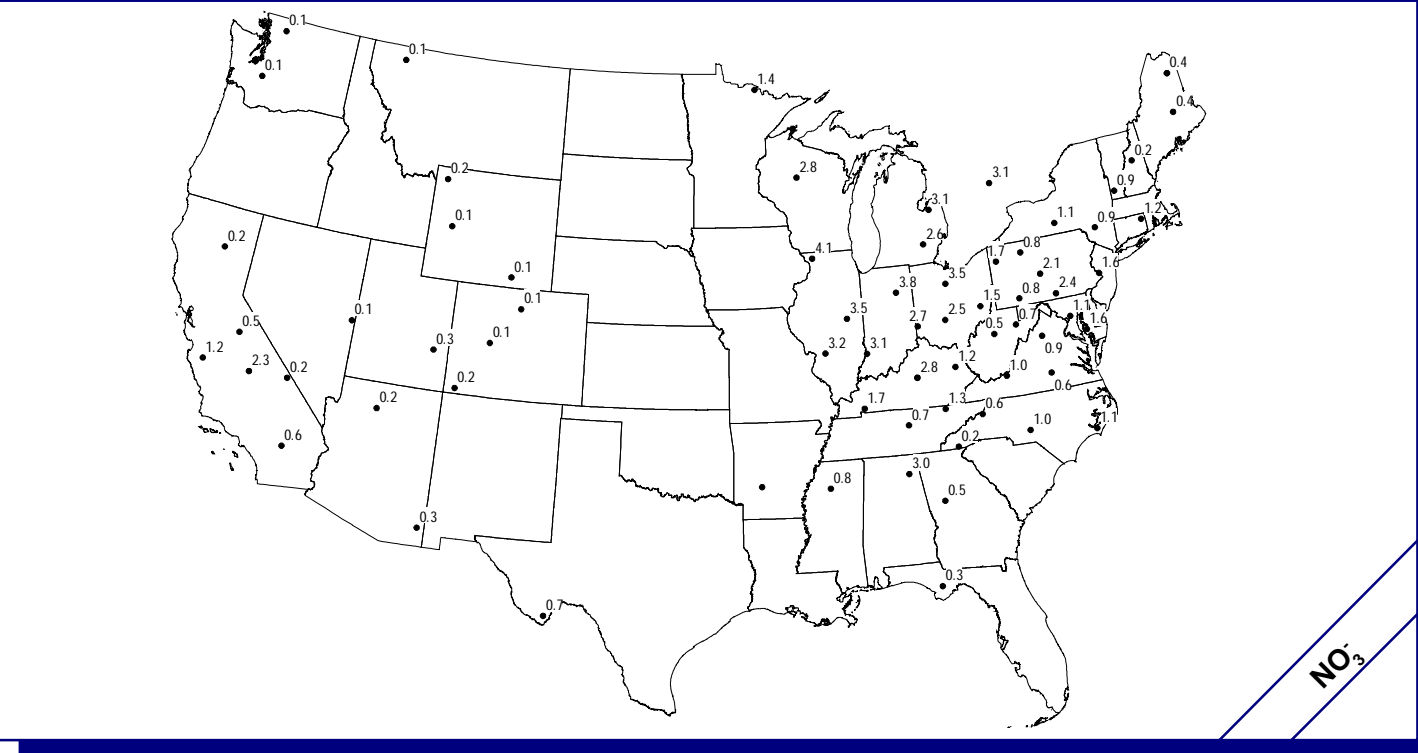
**Figure C-17.** First Quarter 1999 Average Particulate  $\text{NO}_3^-$  Concentrations ( $\mu\text{g}/\text{m}^3$ )**Figure C-18.** Second Quarter 1999 Average Particulate  $\text{NO}_3^-$  Concentrations ( $\mu\text{g}/\text{m}^3$ )

Figure C-19. Third Quarter 1999 Average Particulate NO<sub>3</sub> Concentrations (µg/m<sup>3</sup>)



Figure C-20. Fourth Quarter 1999 Average Particulate NO<sub>3</sub> Concentrations (µg/m<sup>3</sup>)



A map of the contiguous United States with state boundaries outlined. Numerous black dots are plotted across the country, each accompanied by a numerical value representing Total Nitrate concentration. The values range from 0.2 in the Pacific Northwest to 5.6 in central Illinois. A blue diagonal banner in the bottom right corner contains the text "Total NO<sub>3</sub><sup>-</sup>".

The map illustrates the distribution of Total Nitrate (NO<sub>3</sub><sup>-</sup>) concentrations across the United States. The data points are as follows:

State	Concentration (mg/L)
Alaska	0.5
Idaho	0.6
Montana	0.4
Wyoming	0.5
Colorado	0.6
Utah	0.8
Arizona	1.2
California	0.9, 1.9, 2.6, 4.0, 2.4, 5.7
Nevada	1.0
Oregon	1.3
Washington	1.1
Alaska	1.4
Alaska	1.4
Alaska	1.7
Alaska	2.2
Alaska	3.5
Alaska	2.5
Alaska	1.5
Alaska	2.2
Alaska	3.3
Alaska	2.2
Alaska	2.4
Alaska	2.3
Alaska	1.3
Alaska	2.8
Alaska	2.3
Alaska	3.9
Alaska	3.7
Alaska	5.2
Alaska	3.5
Alaska	3.9
Alaska	2.5
Alaska	2.7
Alaska	2.3
Alaska	0.7
Alaska	0.9
Alaska	0.5

Figure C-23. Third Quarter 1999 Average Total NO<sub>3</sub> Concentrations (µg/m<sup>3</sup>)



Figure C-24. Fourth Quarter 1999 Average Total NO<sub>3</sub> Concentrations (µg/m<sup>3</sup>)

